

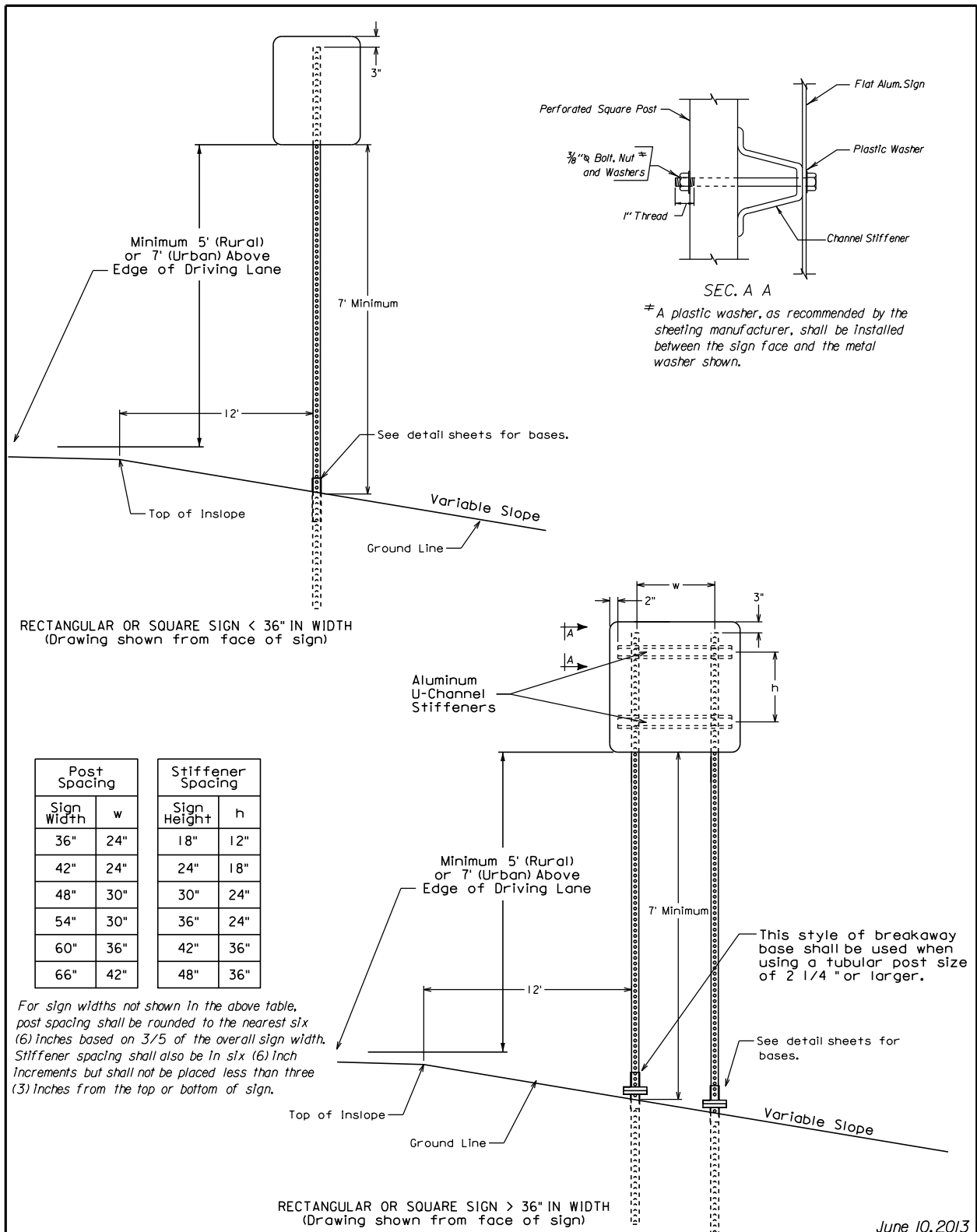
December 9, 2013

SDOT

36" AND 48" WARNING SIGNS (Typical Sign and Stiffener Detail)

SPECIAL DETAIL
LO2

Sheet 1 of 1



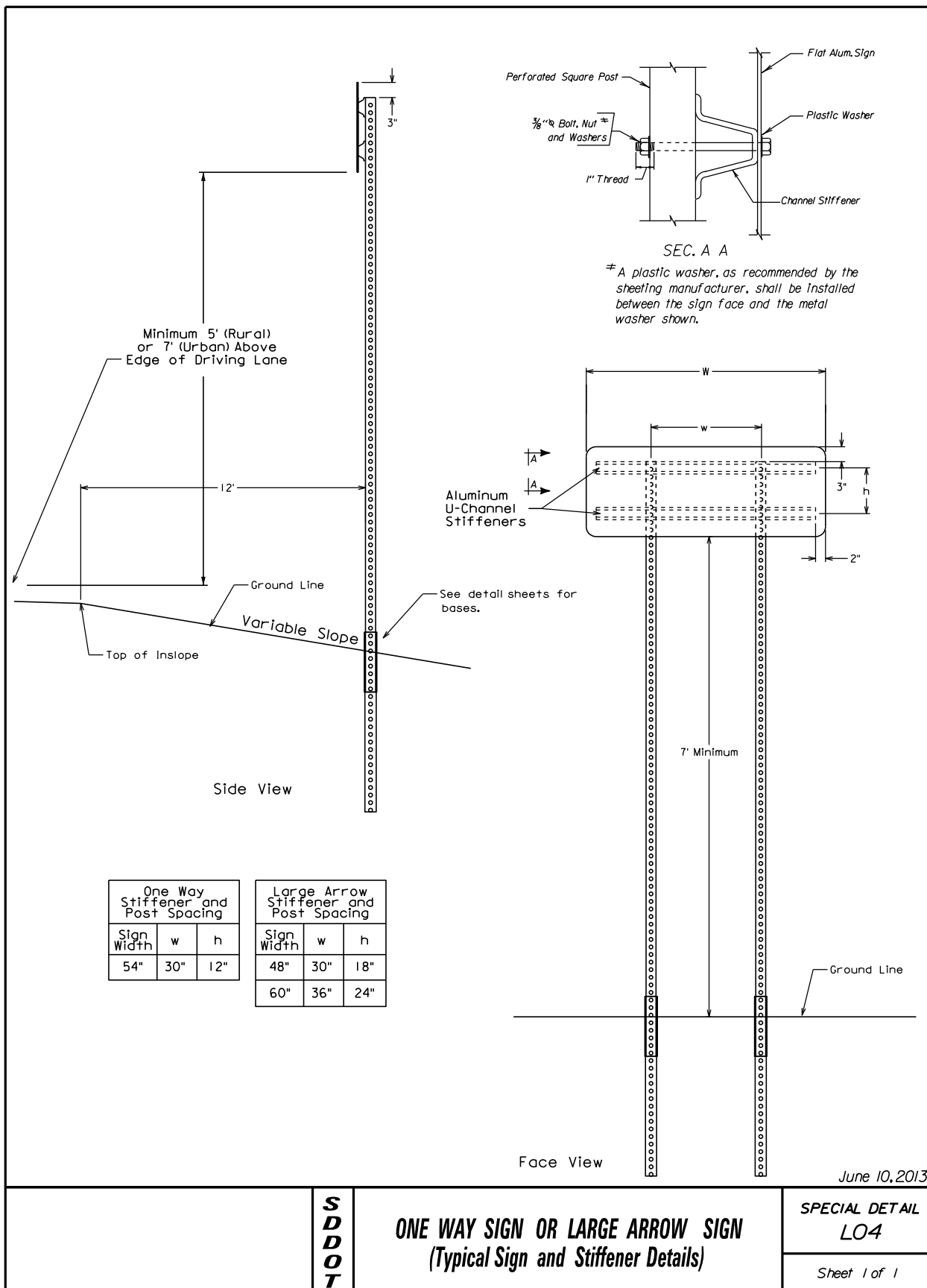
June 10, 2013

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SQUARE OR RECTANGULAR SIGNS (Typical Sign and Stiffener Details)

SPECIAL DETAIL
LO3

Sheet 1 of 1

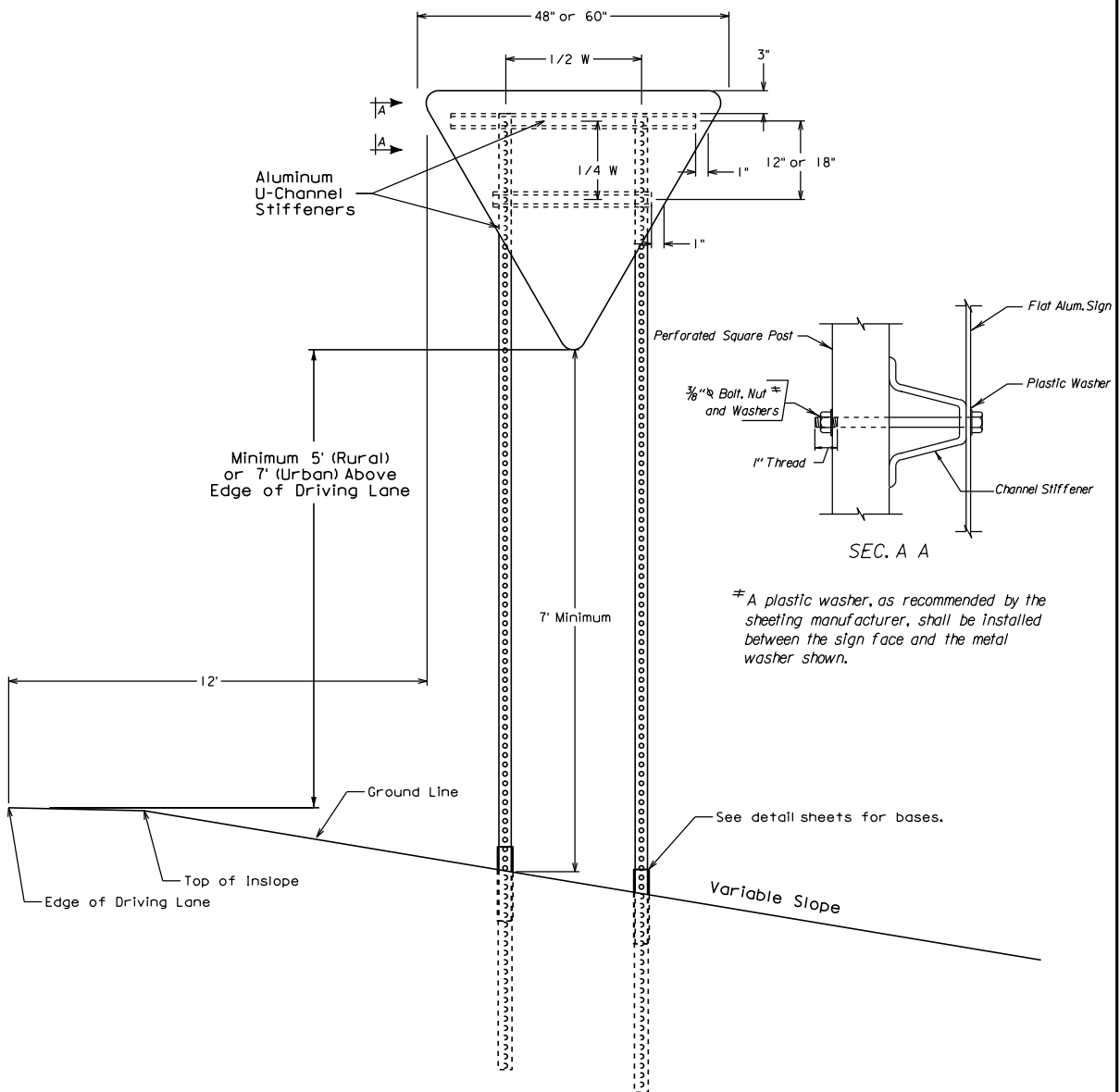


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ONE WAY SIGN OR LARGE ARROW SIGN
(Typical Sign and Stiffener Details)

SPECIAL DETAIL
LO4

Sheet 1 of 1



(Drawing shown from face of sign)

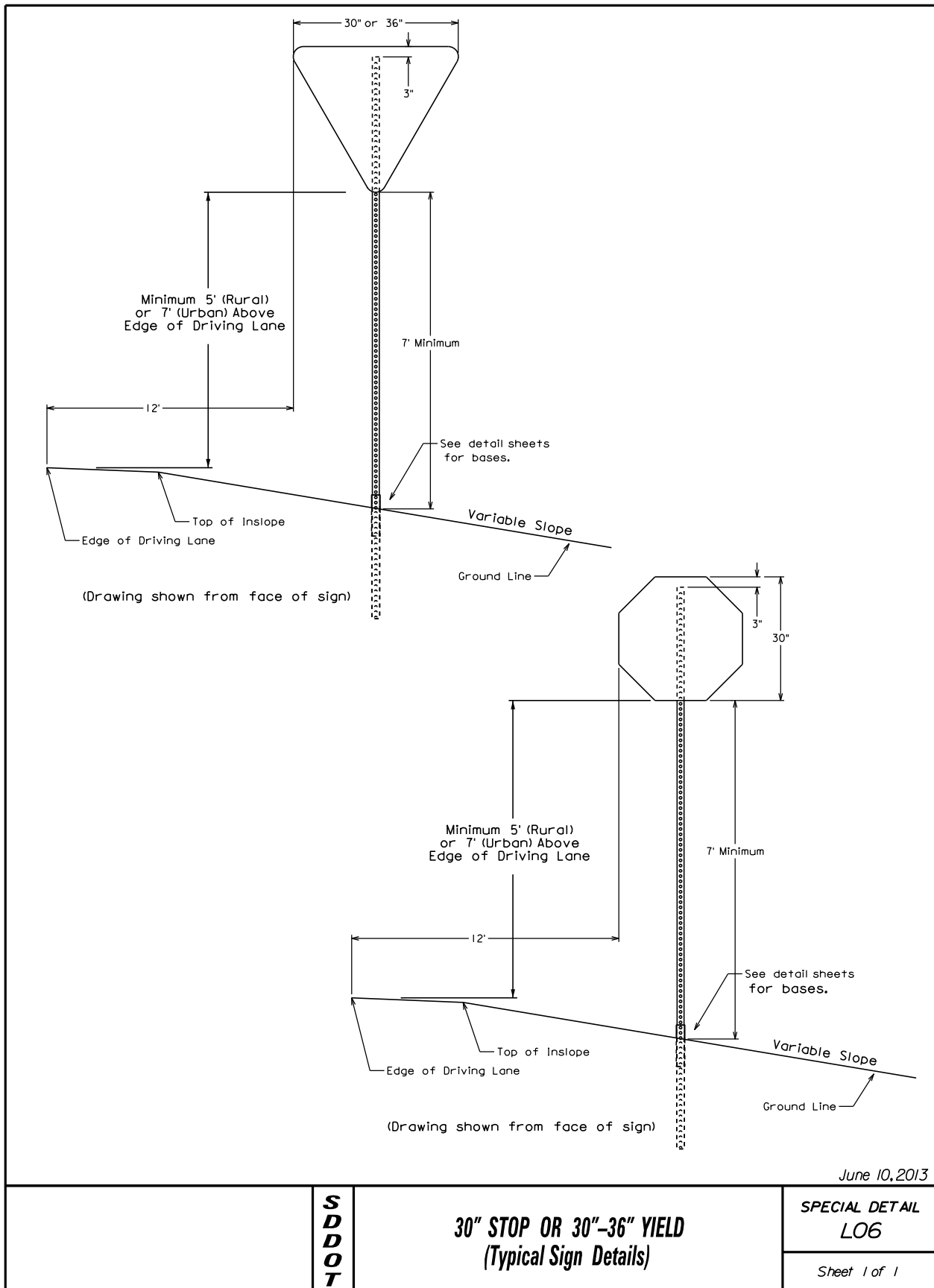
June 10, 2013

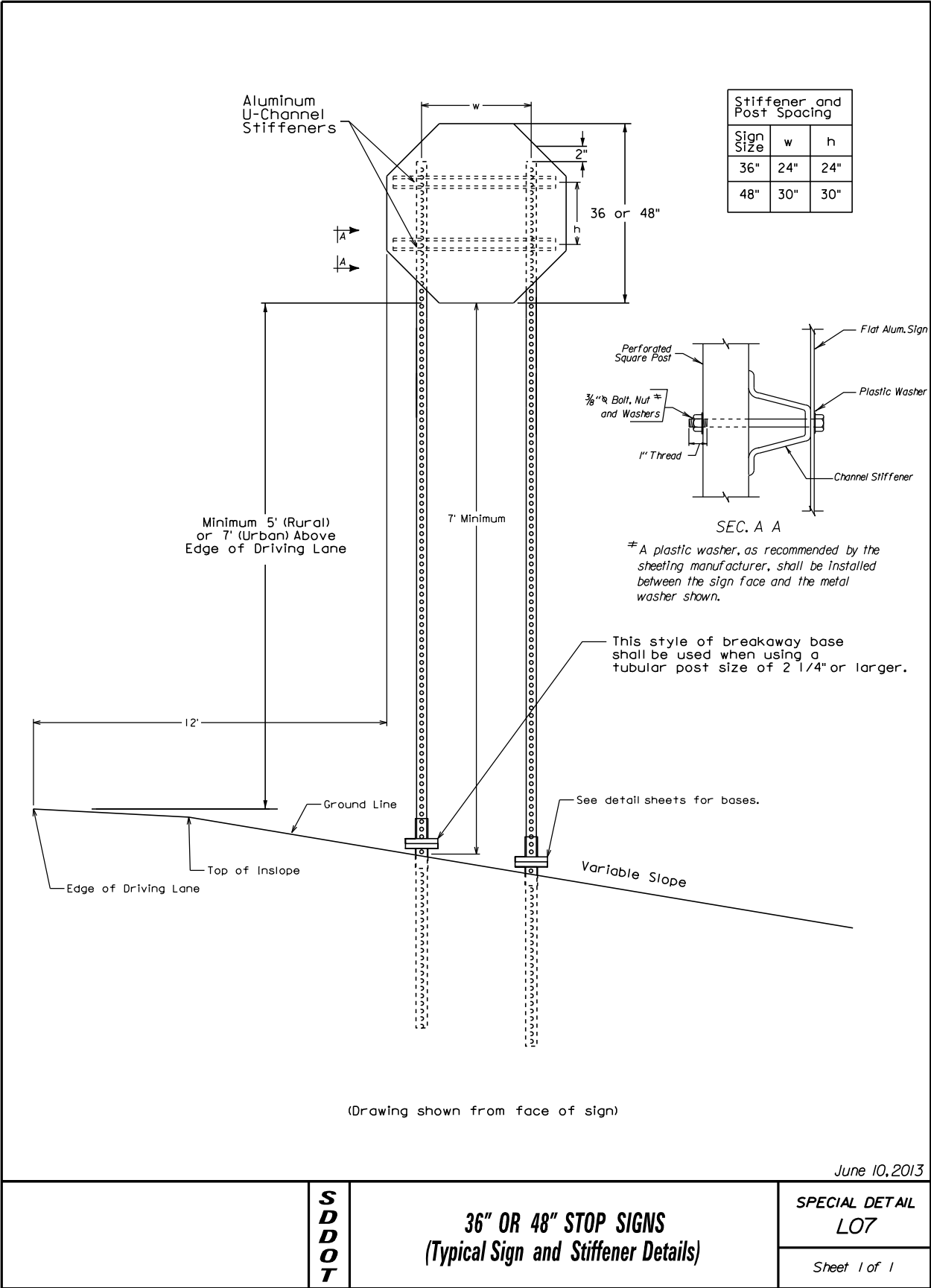
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48" OR 60" YIELD SIGN
(Typical Sign and Stiffener Details)

SPECIAL DETAIL
LO5

Sheet 1 of 1





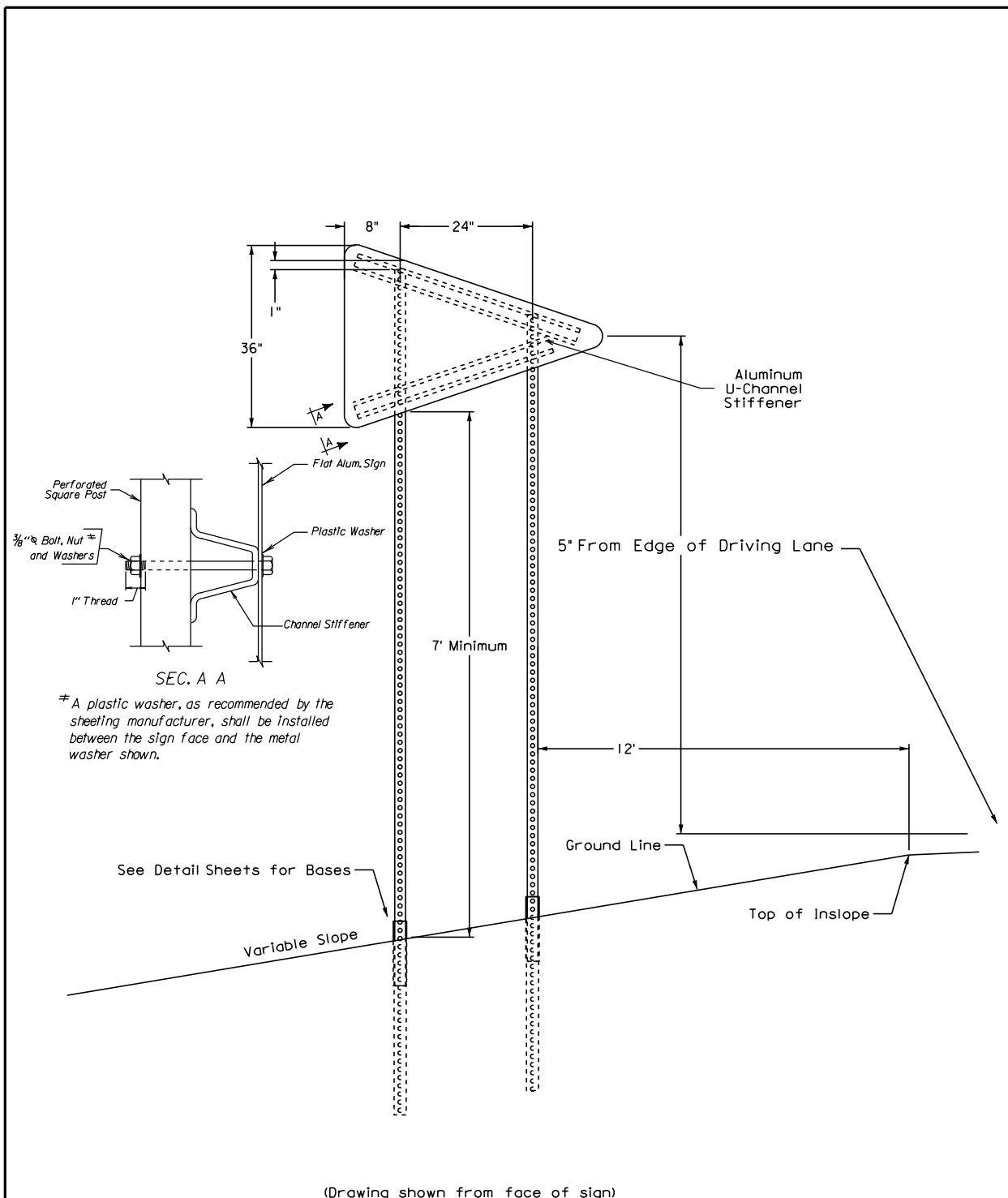
June 10, 2013

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36" OR 48" STOP SIGNS
(Typical Sign and Stiffener Details)

SPECIAL DETAIL
LO7

Sheet 1 of 1



May 28, 2013

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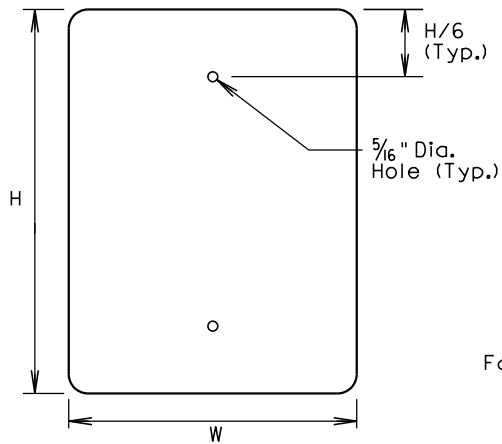
NO PASS ZONE PENNANT
(Typical Sign and Stiffener Details)

SPECIAL DETAIL
LO8

Sheet 1 of 1

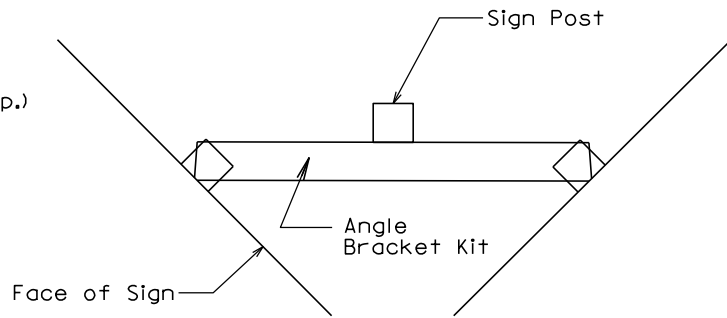
W1-8 Single Mount Detail

View from Face

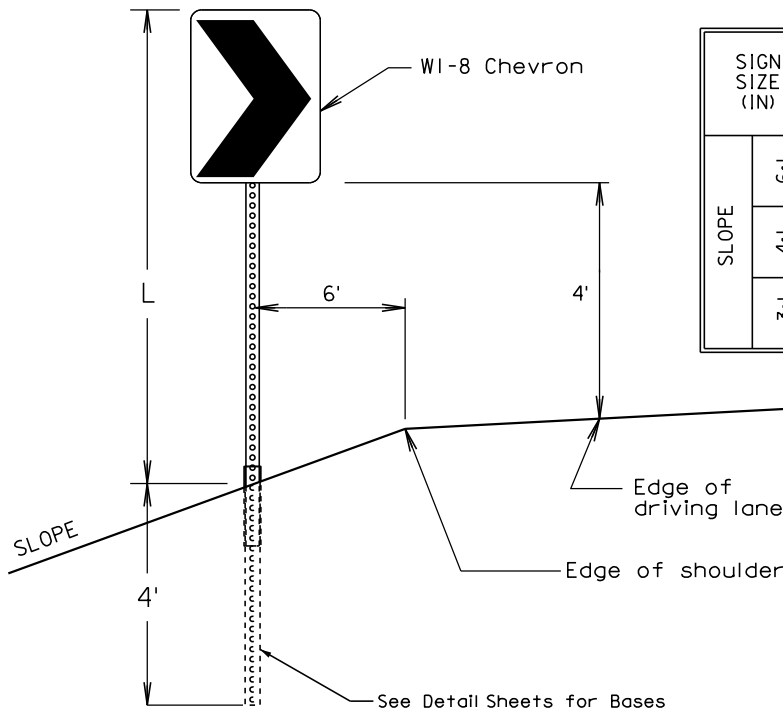


W1-8 Double Mount Detail

View from Top



NOTE: The first Chevron shall be placed within 50' of beginning of curve from each direction of travel and shall be mounted as a single mount installation. All intermediate installations shall be mounted as a double mount installation with approach angle adjusted such that 3 sign faces are visible at all times when traveling through the curve.



SIGN SIZE (IN)		12x18	18x24	24x30	30x36	36x48
		POST LENGTH L (FT)				
SLOPE	6:1	6½	7	7½	8	9
	4:1	7	7½	8	8½	9½
	3:1	7½	8	8½	9	10

February 25, 2013

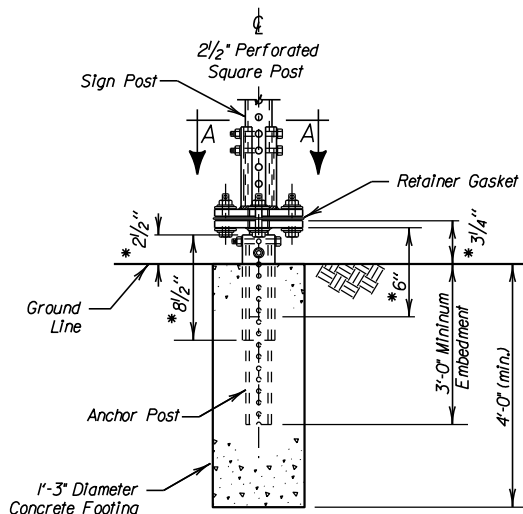
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CHEVRON SIGN
(Typical Erection Details)

SPECIAL DETAIL
L09

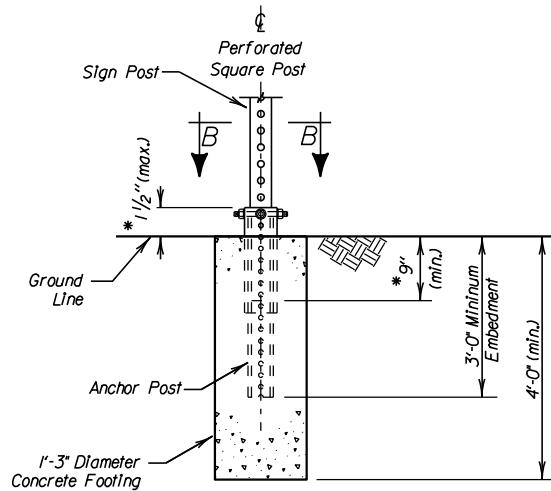
Sheet 1 of 1

SLIP BASE DESIGN



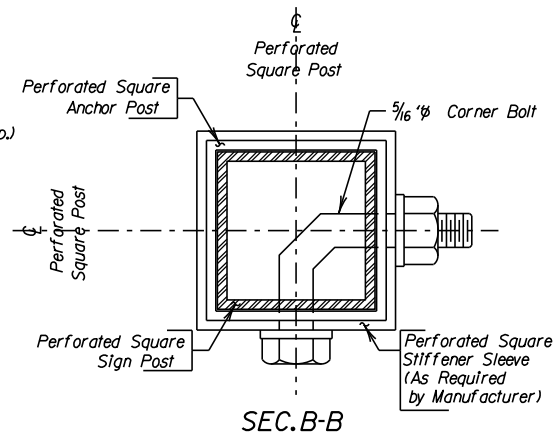
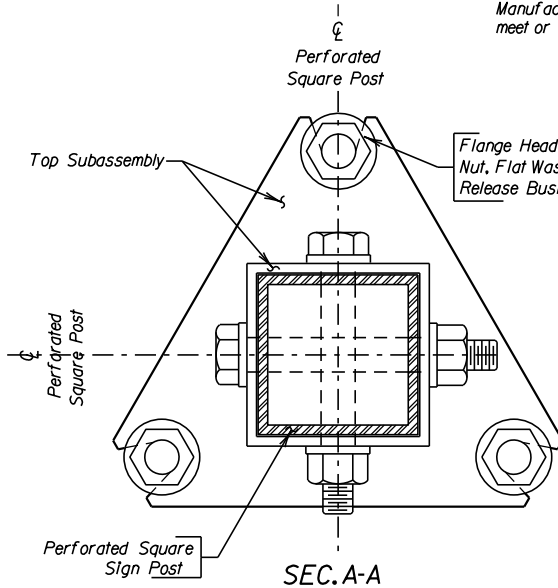
ELEVATION

STUB POST DESIGN



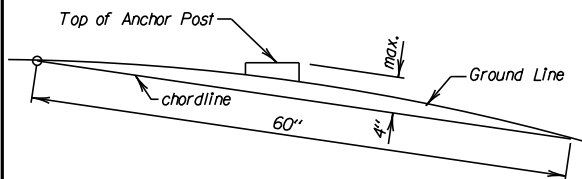
ELEVATION

* Dimensions shown may vary by Manufacturer. The Contractor shall use Manufacturer recommended assembly parts and procedures. Sign installations must meet or exceed NCHRP 350 or MASH breakaway requirements and be FHWA approved.



GENERAL NOTES-

1. Design Specification: AASHTO Standard Specifications for Structural Supports for Highway Signs, Luminaires and Traffic Signals, Latest Edition.
2. The manufacturer shall provide certification that the posts and hardware furnished have essentially the same chemistry, mechanical properties and geometry as that used in the FHWA tests, and that it will meet the FHWA change in velocity requirements.
3. The manufacturer shall also provide certification that the breakaway system furnished will develop the full shear and bending yield strength of the sign post section being spliced.
4. All posts shall be galvanized in accordance with ASTM A653, Des. G-90.
5. All hardware shall be galvanized in accordance with ASTM A153.



BREAKAWAY SUPPORT STUB CLEARANCE DIAGRAM

NOTE: The top of anchor post shall NOT extend more than 4" max.

July 24, 2012

SDOT

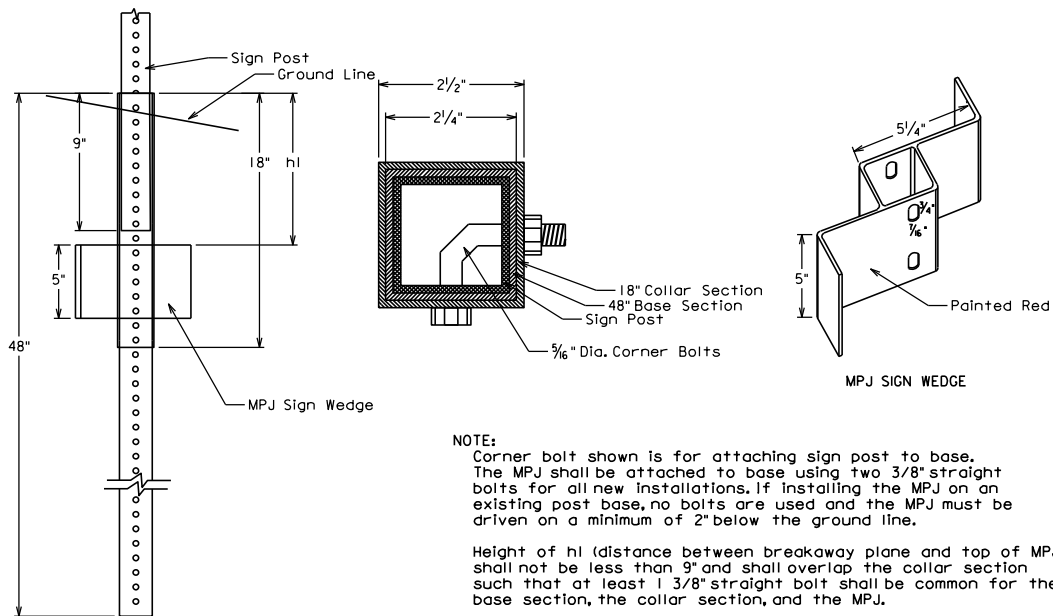
BREAKAWAY SIGN SUPPORTS

Perforated Steel Post w/Concrete Footings

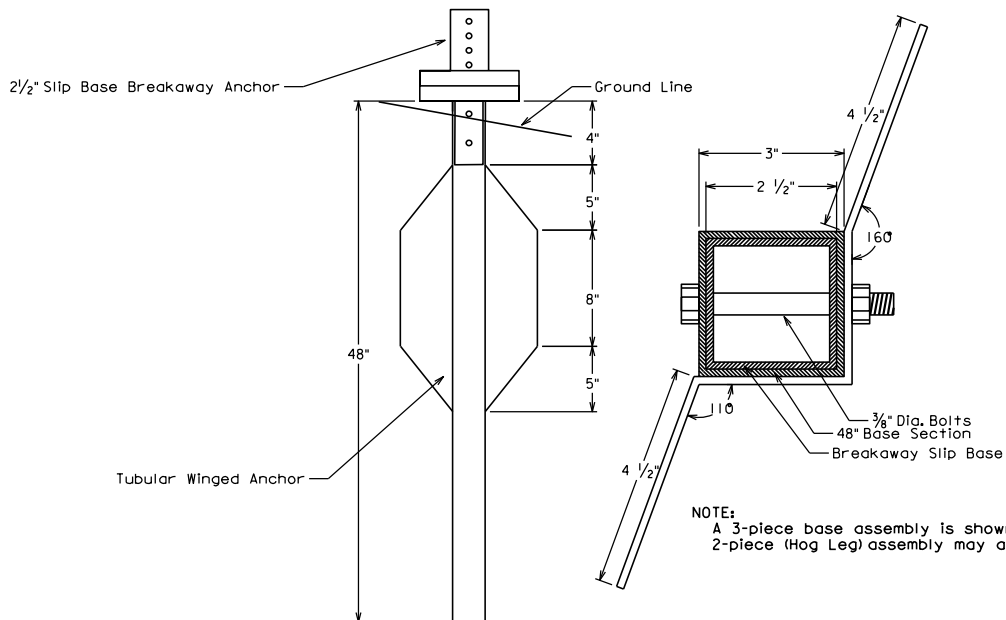
SPECIAL DETAIL
L20

Sheet 1 of 1

SIGN BASE DETAILS FOR A 2" SIGN POST



SIGN BASE DETAILS FOR A 2 1/2" SIGN POST



March 28, 2014

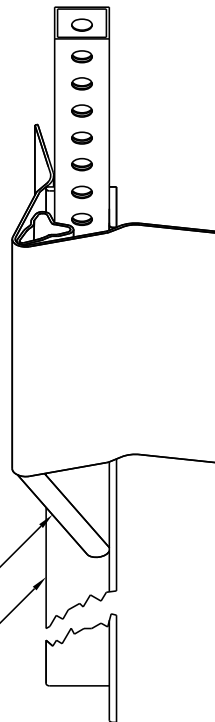
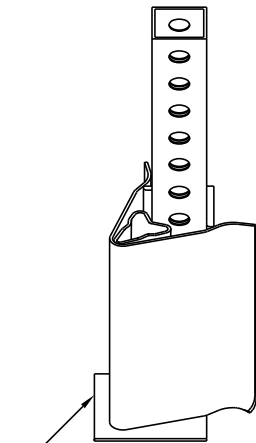
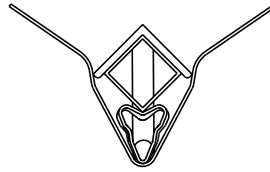
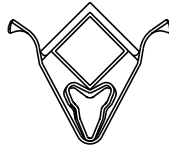
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TUBULAR POST BASE DETAILS
(Typical Soil Installation)

SPECIAL DETAIL
L21

Sheet 1 of 1

CONCRETE MODEL



OPTIONAL WELDED STEEL BOTTOM
CAP
4" X 4" X .105" [65 x 65 x 5]
PER ASTM A-569
CONCRETE MODELS ONLY
.75 ROUND X 7 [20 ROUND X 175]
STEEL WELDED CLEAN OUT BAR
PER ASTM A-36

48" Base

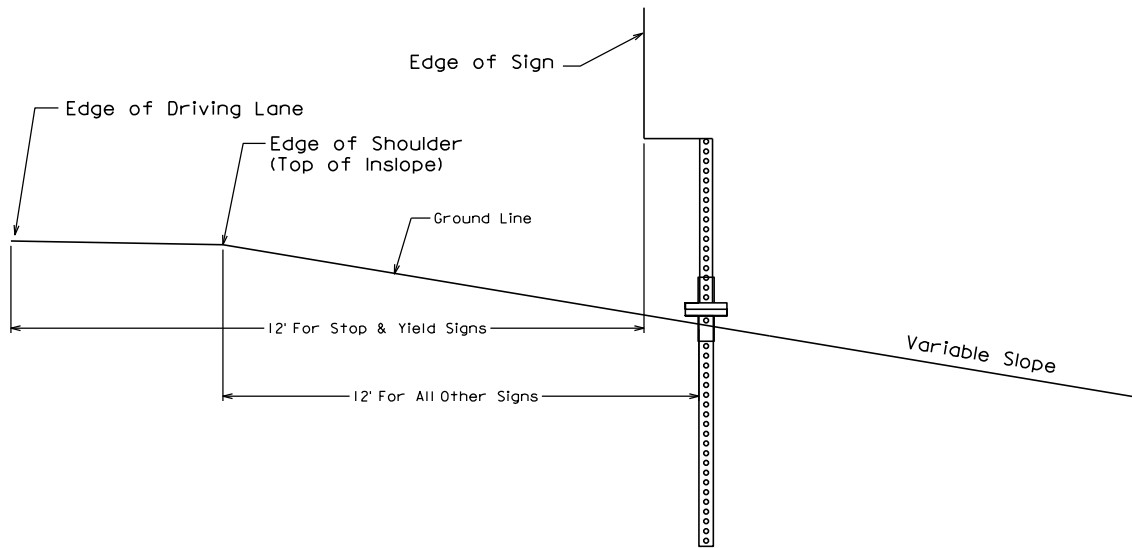
March 1, 2016

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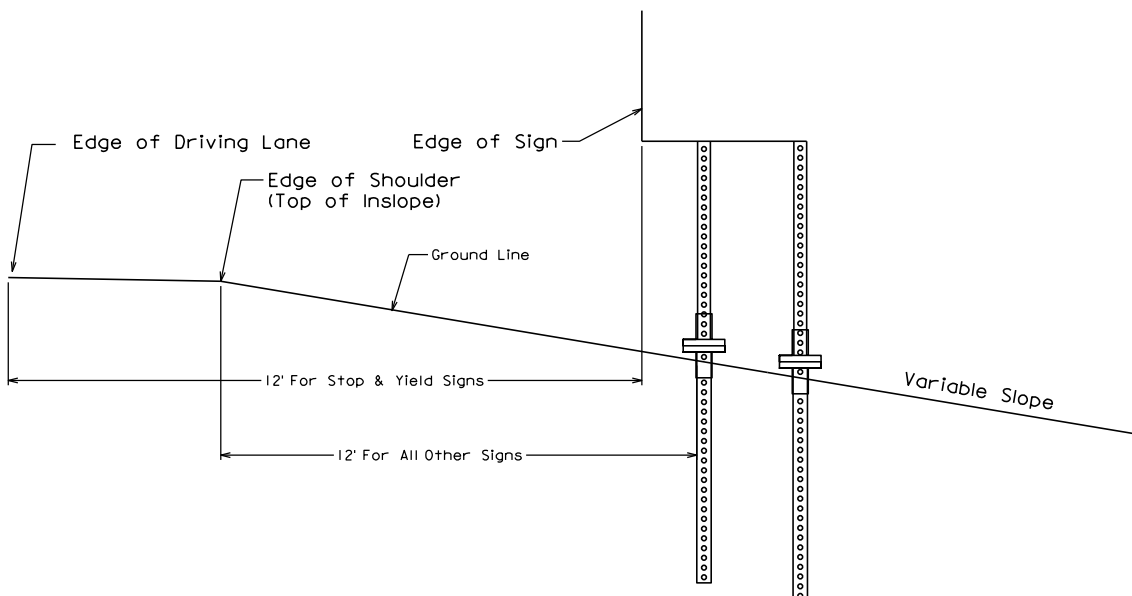
TUBULAR POST BASE DETAILS
(Typical Flush Mount Breakaway Installation)

SPECIAL DETAIL
L22

Sheet 1 of 1



RURAL LOCATION WITH 1 POST
(Drawing shown from face of sign)



RURAL LOCATION WITH 2 POSTS
(Drawing shown from face of sign)

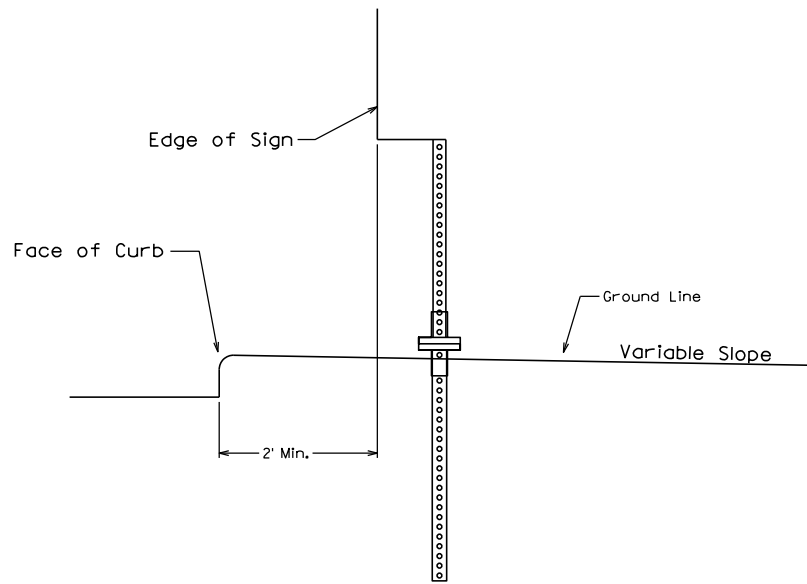
June 10, 2013

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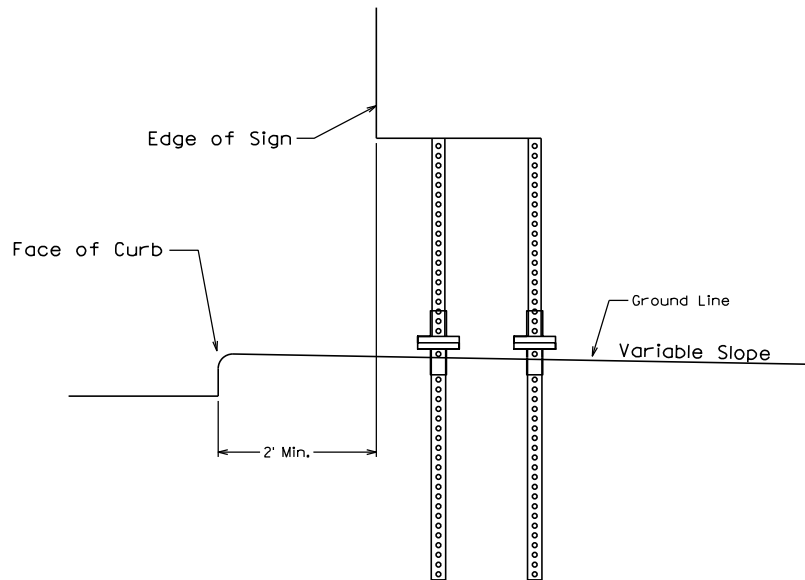
LATERAL OFFSET
(Typical Rural Sign Installations)

SPECIAL DETAIL
L23

Sheet 1 of 1



URBAN LOCATION WITH 1 POST
(Drawing shown from face of sign)



URBAN LOCATION WITH 2 POSTS
(Drawing shown from face of sign)

July 24, 2012

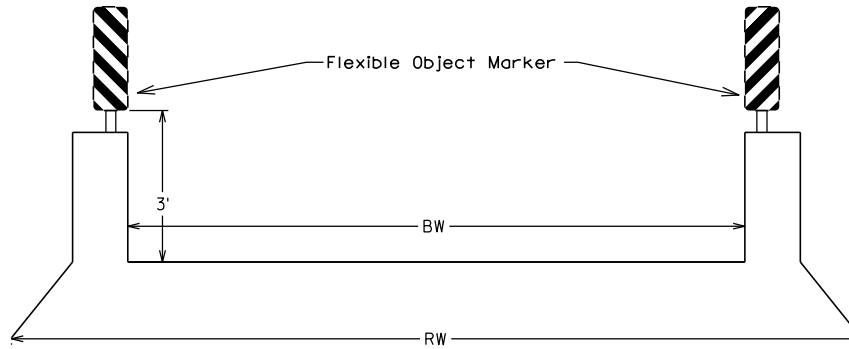
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LATERAL OFFSET
(Typical Urban Sign Installations)

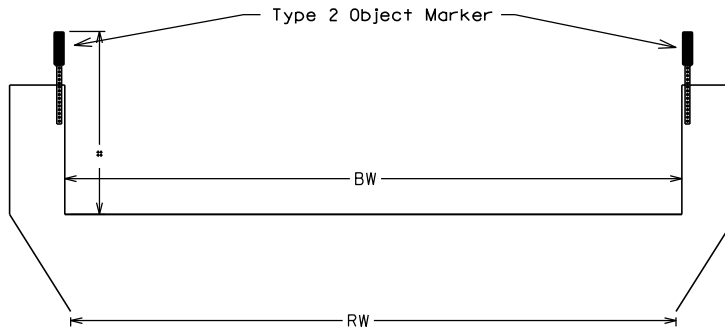
SPECIAL DETAIL
L24

Sheet 1 of 1

BW = Bridge Width
 RW = Road Width
 (Includes Shoulders)



RW > BW and No Guardrail Present**



RW < or = BW and No Guardrail Present**

If BW = or < 40', then # = 3'

If BW > 40', then # = 4'

** If Guardrail is present, refer to Standard Plates 632.40 for installation of Type 2 Object Markers

July 24, 2012

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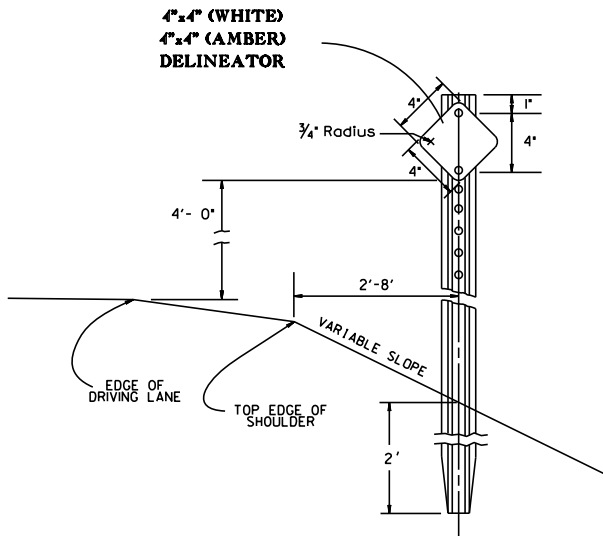
TYPE 2 & 3 OBJECT MARKERS
(Typical Installation Details)

SPECIAL DETAIL
L25

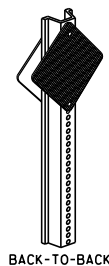
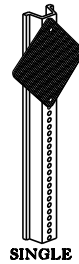
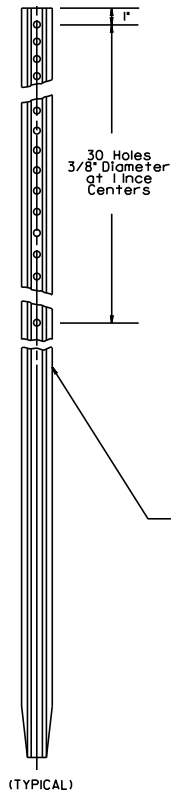
Sheet 1 of 1

4"x4" DELINEATORS

with Type XI reflective sheeting



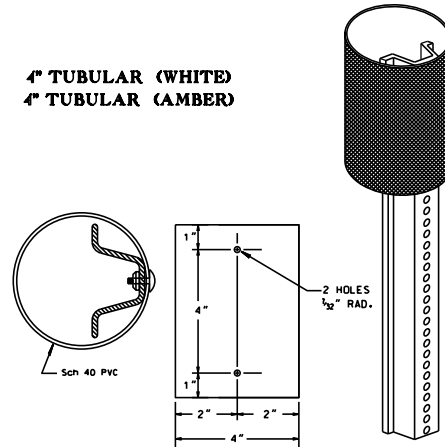
Mounting Holes in all Delineators to be 7/8" diameter



4" TUBULAR DELINEATORS

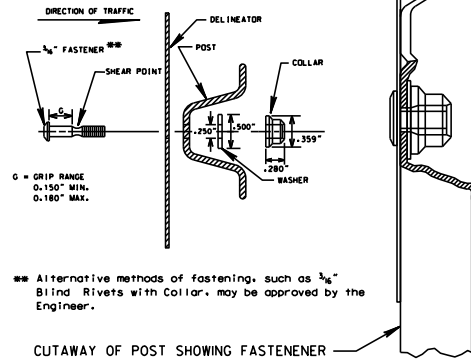
with Type XI reflective sheeting

4" TUBULAR (WHITE)
4" TUBULAR (AMBER)

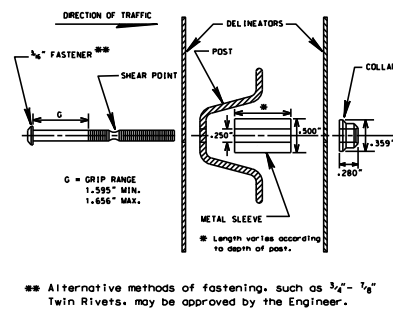


Detail shown represents delineator on its own post. When mounted on a sign assembly, the signpost shall run through the delineator and top of delineator shall be mounted at 4' elevation above the edge of driving lane.

DETAIL FOR SINGLE MOUNTING DELINEATORS ON POST



DETAIL FOR MOUNTING 4"x4" DELINEATORS BACK TO BACK ON POST



March 1, 2016

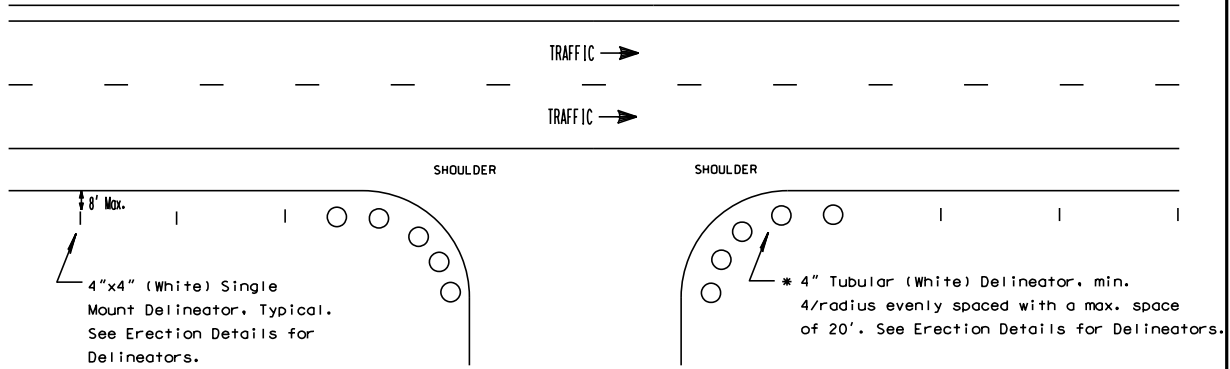
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DELINEATORS
(Typical Placement and Mounting Details)

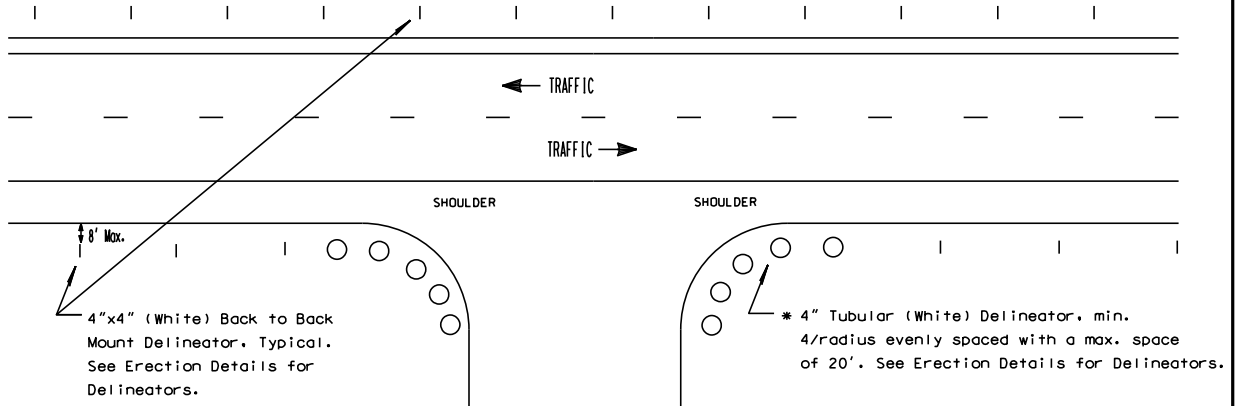
SPECIAL DETAIL
L30

Sheet 1 of 2

SIDE ROAD - ONE-WAY TRAFFIC



SIDE ROAD - TWO-WAY TRAFFIC



* 4" Tubular (White) Delineator installed as shown only on intersections with radius or a combination radius greater than 75' and also has stop/yield control. At all other intersections with stop/yield control, one 4" tubular delineator shall be installed on each stop/yield sign assembly and large arrow (Tee-intersections).

March 1, 2016

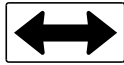
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DELINEATORS (Typical Placement and Mounting Details)

SPECIAL DETAIL
L30

Sheet 2 of 2

(A)

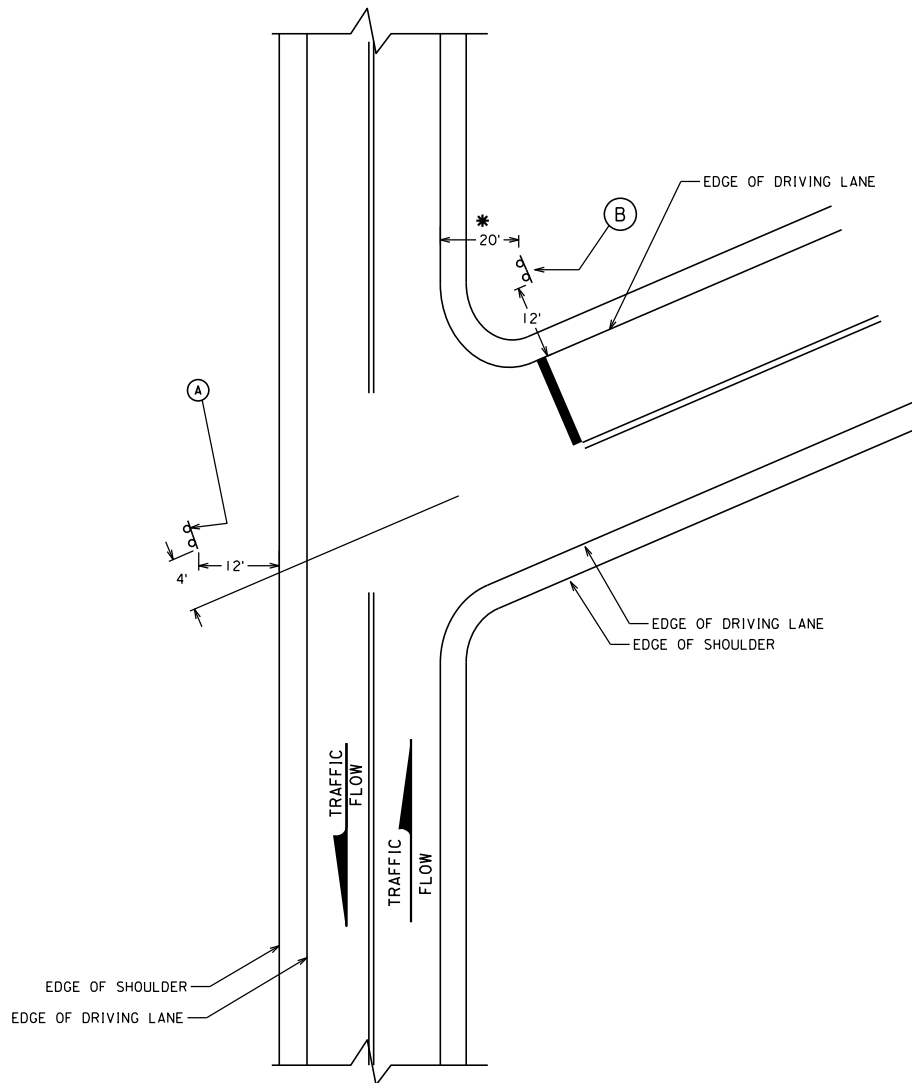


W1-7

(B)



* Variable distance based on radius (max. 50').



June 10, 2013

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**TYPICAL SIGN LAYOUT FOR THROUGH
ROADWAYS WITH IMPROVED
SIDEROAD AT ACUTE ANGLE**

**SPECIAL DETAIL
L40**

Sheet 1 of 1

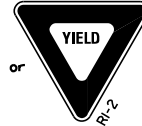
(A)



W1-7

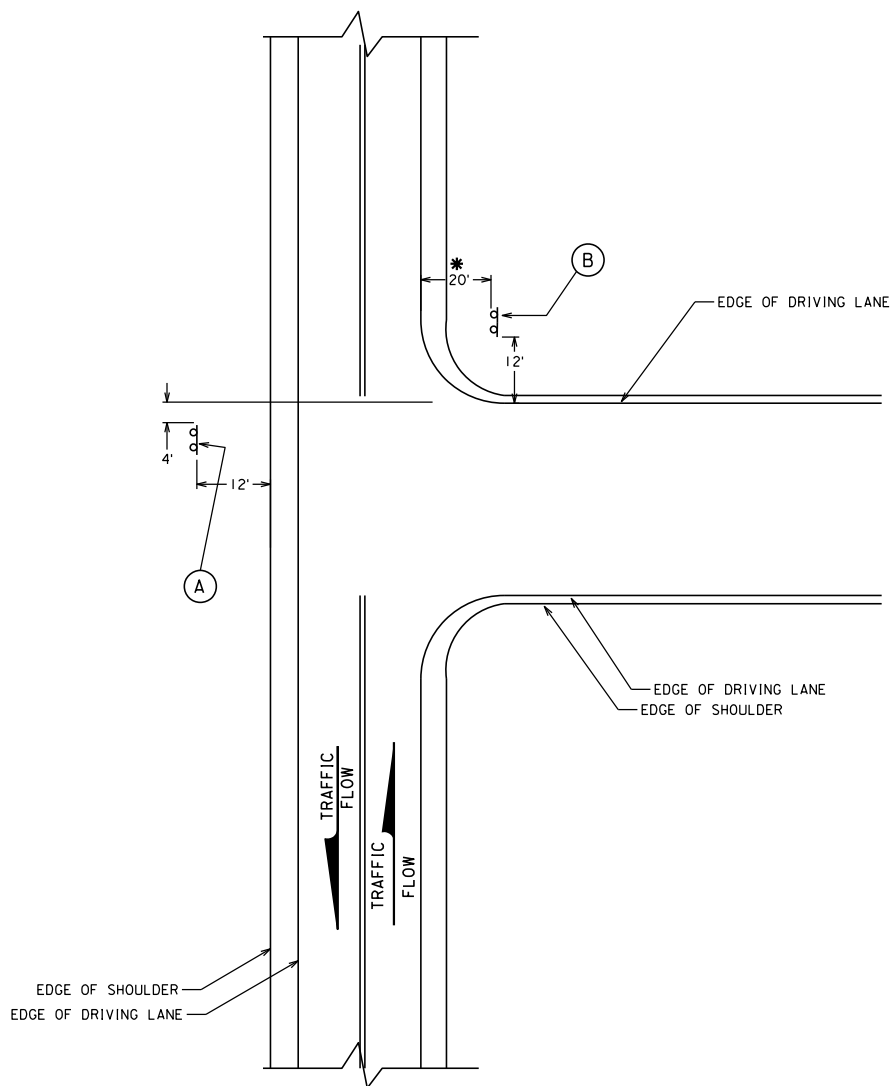
(B)

(OPTIONAL)



or

* Variable distance based on radius (max. 50').



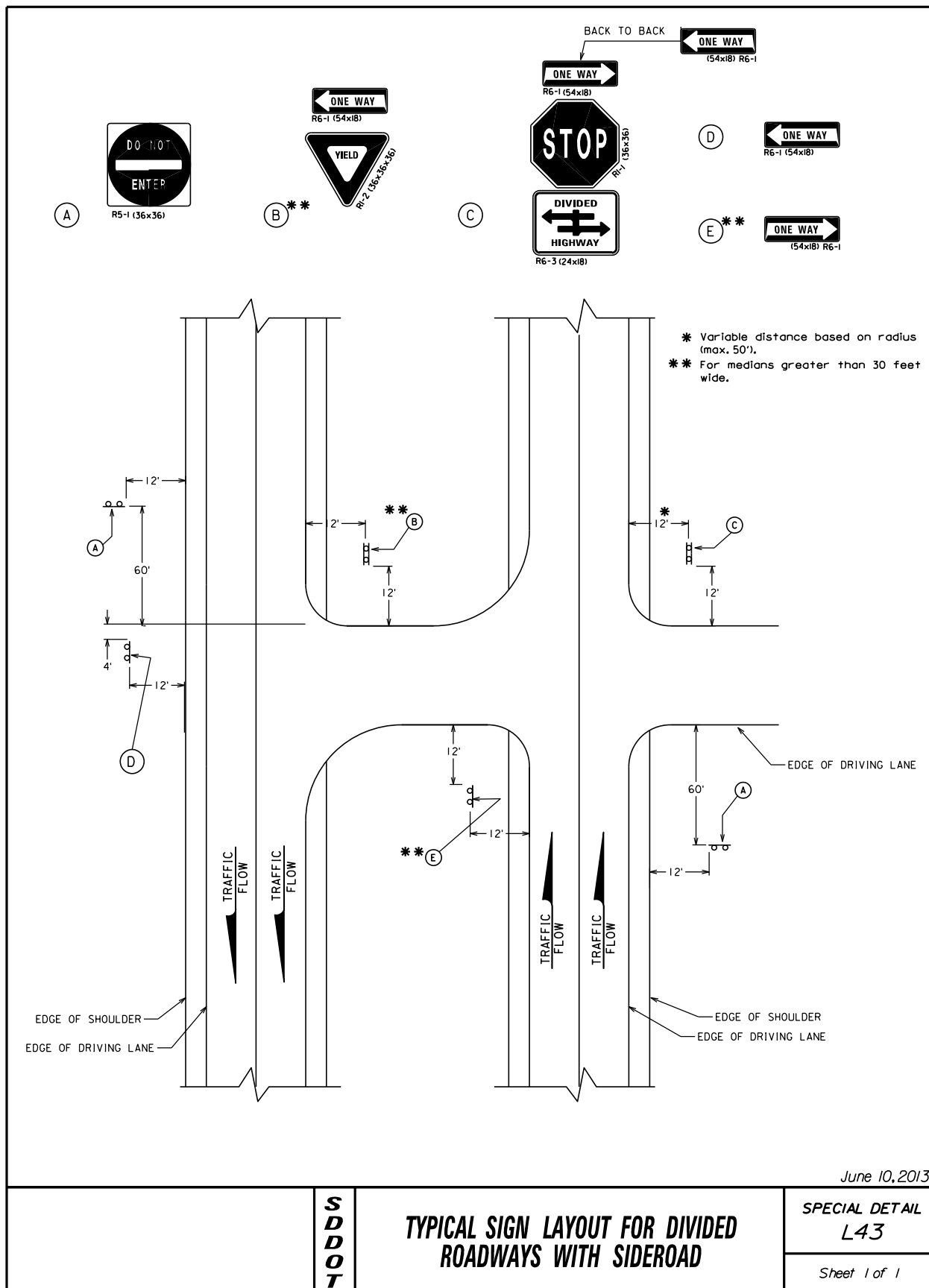
June 10, 2013

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**TYPICAL SIGN LAYOUT FOR
ROADWAYS WITH UNIMPROVED SIDEROAD**

**SPECIAL DETAIL
L42**

Sheet 1 of 1



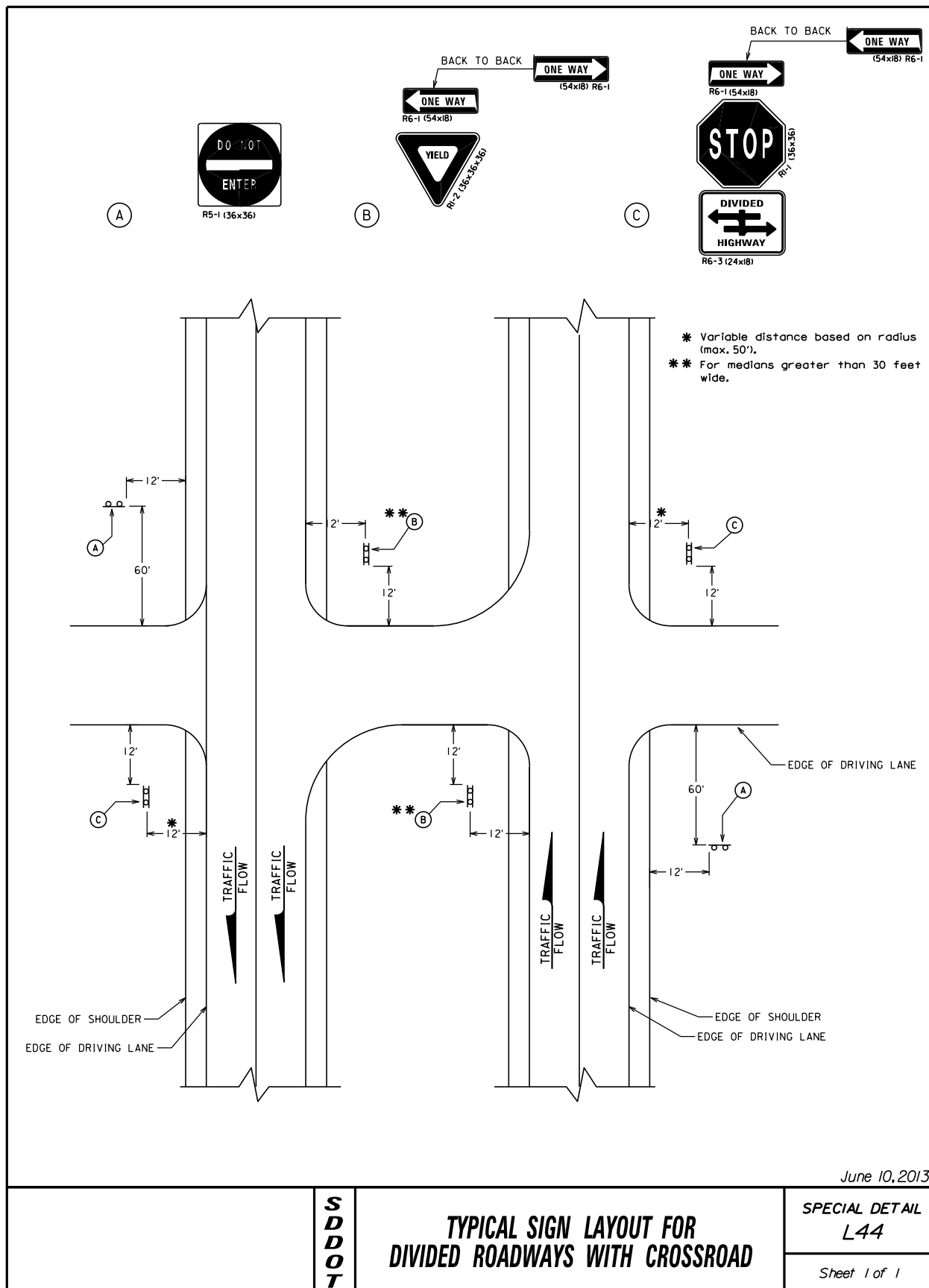
June 10, 2013

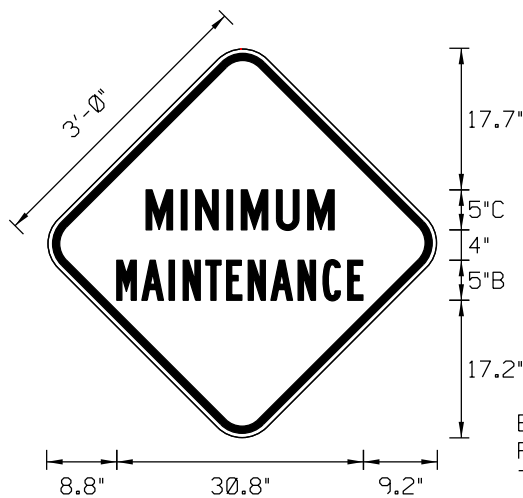
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TYPICAL SIGN LAYOUT FOR DIVIDED ROADWAYS WITH SIDEROAD

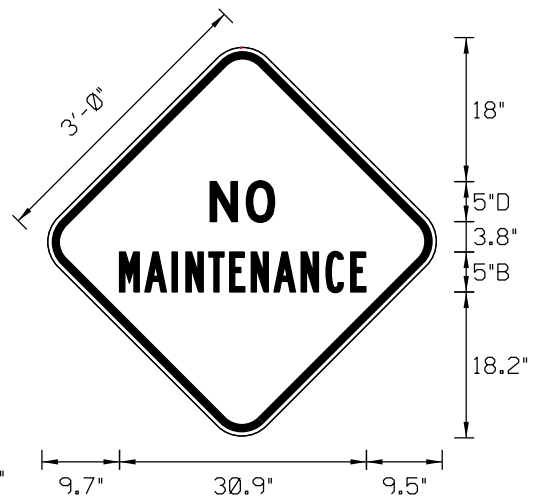
**SPECIAL DETAIL
L43**

Sheet 1 of 1



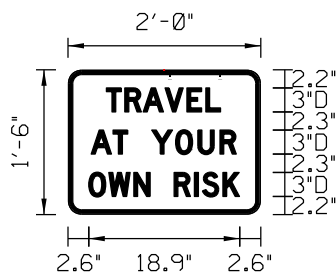


W70-1

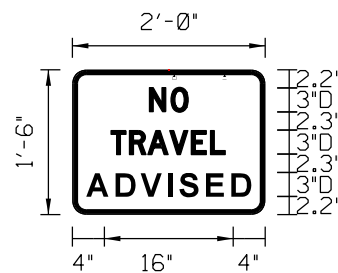


W70-2

BORDER
R=1.625"
TH=0.875"
IN=0.625"



W70-3



W70-4

BORDER
R=1.125"
TH=0.625"
IN=0.375"

Legend and border shall be black vinyl non-reflective material on fluorescent yellow Type XI background conforming to ASTM D4956.

The W70-3 shall be installed at each location where a W70-1 is installed and a W70-4 shall be installed at each location where a W70-2 is installed.

Use of the W70-2 & W70-4 sign shall be limited to Township Roads only.

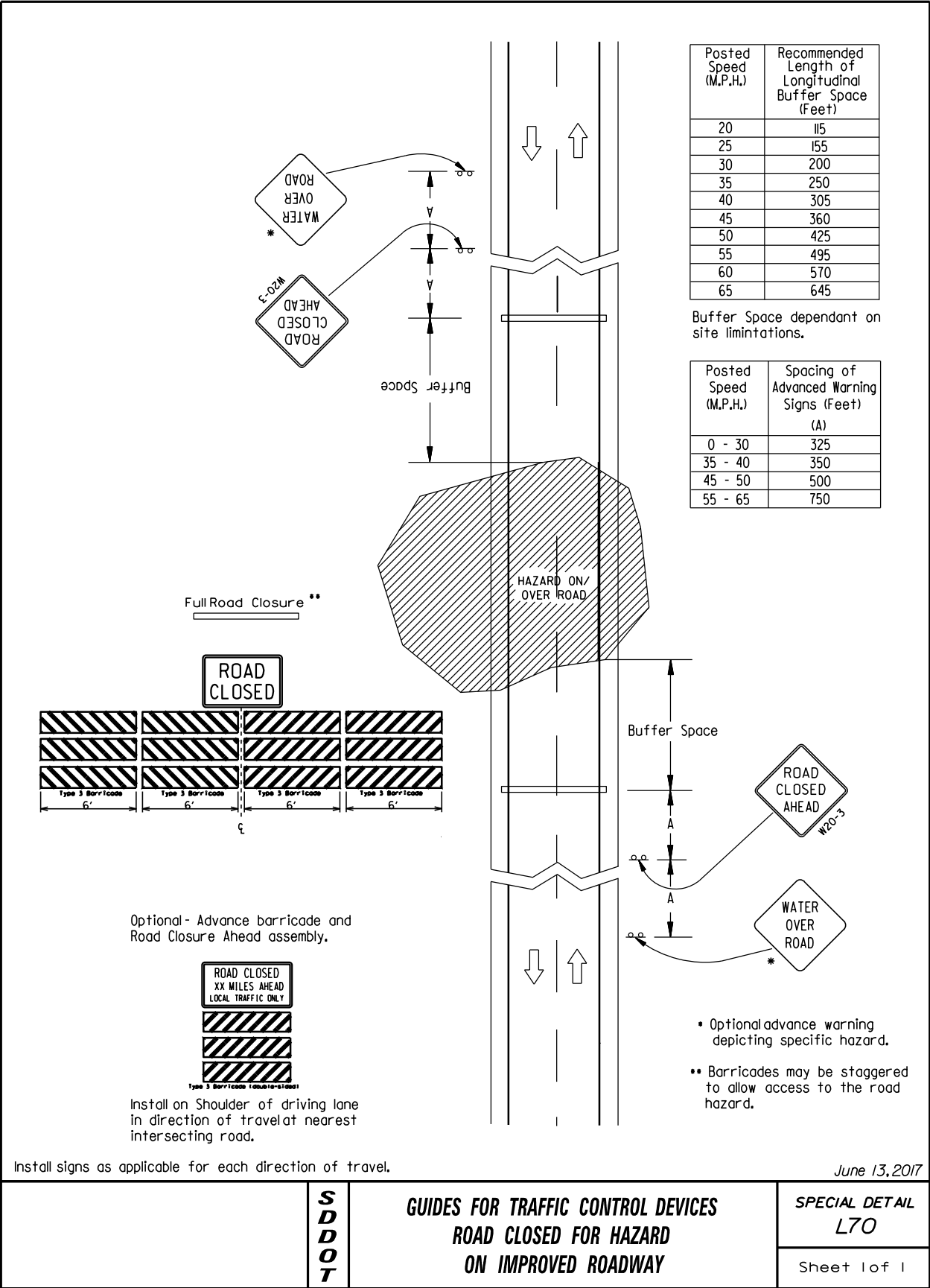
June 17, 2019

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**SIGN DETAIL FOR MINIMUM
& NO MAINTENANCE ROADS**

**SPECIAL DETAIL
L50**

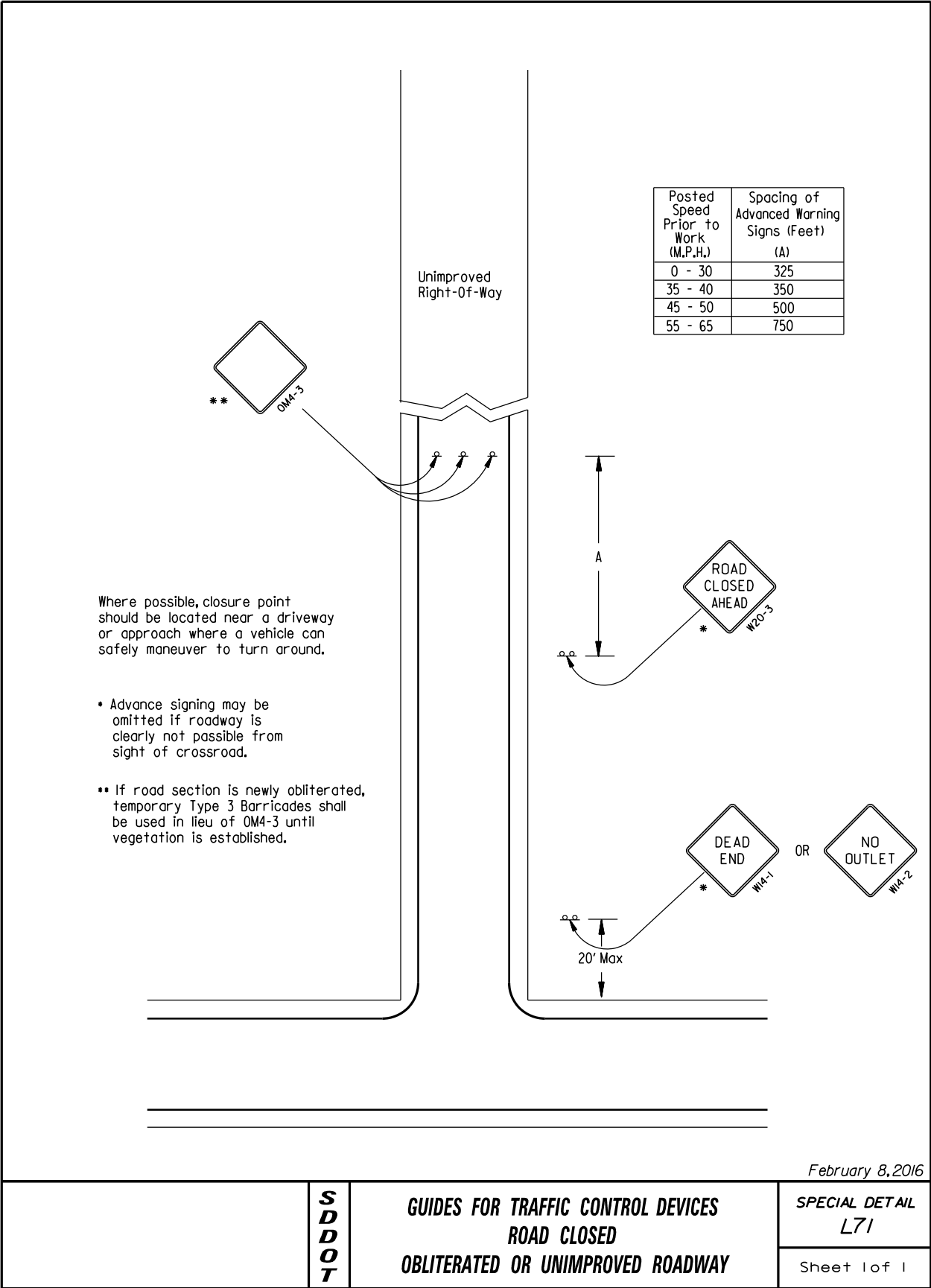
Sheet 1 of 1



SDOT

GUIDES FOR TRAFFIC CONTROL DEVICES
ROAD CLOSED FOR HAZARD
ON IMPROVED ROADWAY

SPECIAL DETAIL
L70



February 8, 2016

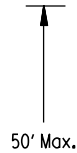
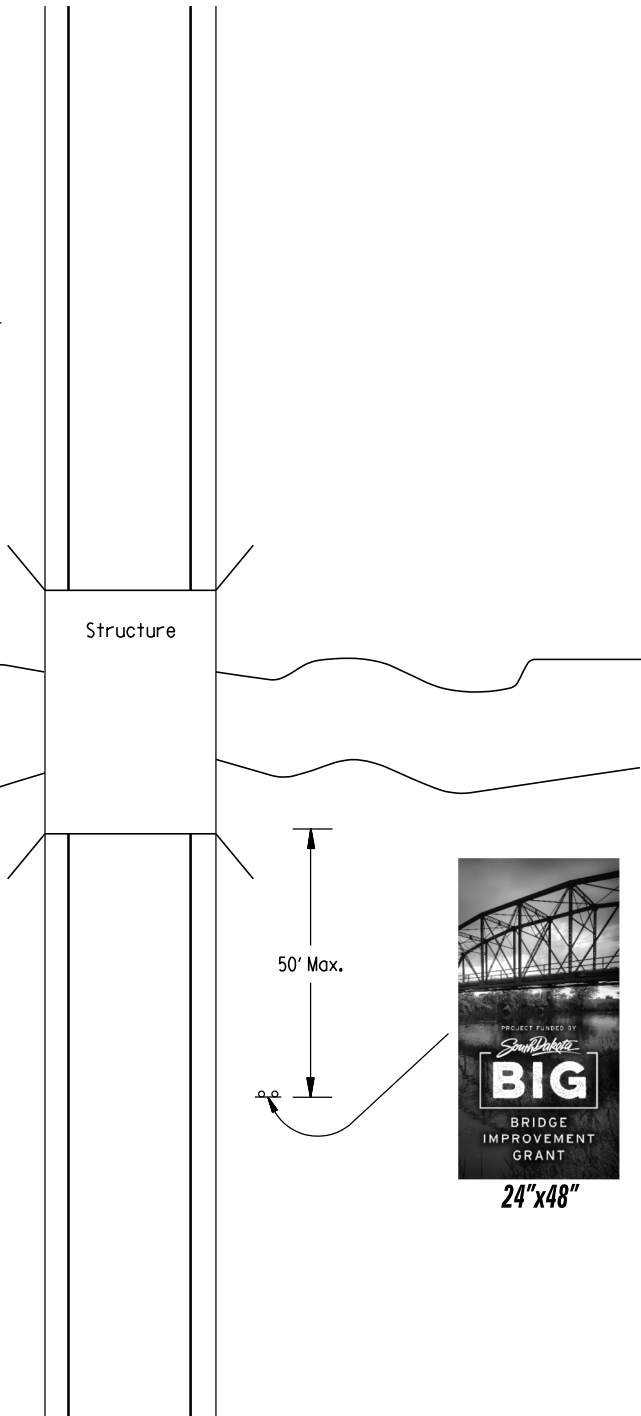
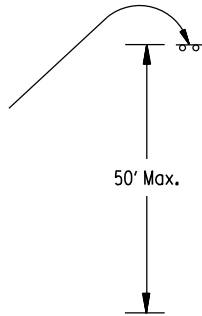
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**GUIDES FOR TRAFFIC CONTROL DEVICES
ROAD CLOSED
OBLITERATED OR UNIMPROVED ROADWAY**

**SPECIAL DETAIL
L71**



24"x48"



24"x48"

Contractor shall install state furnish Bridge Improvement Grant (BIG) signs as shown. Location of regulatory or warning signs shall take precedence and sign may be adjusted as directed by the Engineer.

Refer to Special Detail L03 for mounting height and offset of sign.

September 22, 2016

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**GUIDES FOR TRAFFIC CONTROL DEVICES
BRIDGE IMPROVEMENT GRANT
TYPICAL SIGNING**

**SPECIAL DETAIL
L72**

Sheet 1 of 1

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